

## 10 Amp. Glass Passivated Bridge Rectifier

<p>Dimensions in mm.</p> <p>The drawings show four views: two side views of the metal heat sink and two top views of the epoxy case. Dimensions include lead lengths (0.8 ± 0.05, 6.35 ± 0.05), lead diameter (Ø 2.5), heat sink height (19.8 ± 1), case width (18.1), case height (14.3), and case diameter (Ø 28.8 ± 0.2).</p>	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; width: 50%;">Voltage 50 to 1000 V</td> <td style="text-align: center; width: 50%;">Current 10 A</td> </tr> </table> <div style="text-align: center; margin: 10px 0;"> </div> <ul style="list-style-type: none"> <li>• Glass Passivated Junction</li> <li>• UL recognized under component index file number E130180</li> <li>• Terminals: FASTON ①</li> <li>• Terminals: WIRE LEADS ②</li> <li>• Max. Mounting Torque: 25 Kg x cm</li> </ul> <p>Lead and polarity identifications High surge current capability</p>	Voltage 50 to 1000 V	Current 10 A
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### Maximum Ratings, according to IEC publication No. 134

		①	FB1000	FB1001	FB1002	FB1004	FB1006	FB1008	FB1010
		②	FB1000L	FB1001L	FB1002L	FB1004L	FB1006L	FB1008L	FB1010L
$V_{RRM}$	Peak Recurrent Reverse Voltage (V)		50	100	200	400	600	800	1000
$V_{RMS}$	Maximum RMS Voltage (V)		35	70	140	280	420	560	700
$V_R$	Recommended Input Voltage (V)		20	40	80	125	250	380	500
$I_{F(AV)}$	Max. forward current R-load: At T case = 55 °C At T case = 90 °C With Al Square Chassis (200 cm <sup>2</sup> x 3 mm.) Tamb = 45 °C		10 A 7.5 A 5 A						
$I_{FRM}$	Recurrent peak forward current		50 A						
$I_{FSM}$	10 ms. peak forward current		200 A						
$I^2t$	I <sup>2</sup> t value for fusing (t = 10 ms)		200 A <sup>2</sup> sec						
$T_J$	Operating temperature range		- 55 to + 150 °C						
$T_{slg}$	Storage temperature range		- 55 to + 150 °C						

### Electrical Characteristics at Tamb = 25 °C

$V_F$	Max. forward voltage drop per element at $I_F = 5 A$	1.1 V
$I_R$	Max. reverse current per element at $V_{RRM}$ d.c.	5 µA
$R_{thj-c}$	Typical thermal resistance junction to case	2 °C/W
	Isolation voltage from case to leads	2500 Vac

Characteristic Curves

